



**Severstal International Schaefer Road WWTP (aka Rouge Steel) MID 087
738 431**

Diane Sharrow to: Bryan Gangwisch

11/26/2012 08:56 AM

Cc: Lorna Jereza, Gaylene Vasaturo, Sherry Estes, Gary Victorine,
Michael Cunningham, Michael Beedle

Bcc: Diane Sharrow

From: Diane Sharrow/R5/USEPA/US

To: Bryan Gangwisch/R5/USEPA/US@EPA,

Cc: Lorna Jereza/R5/USEPA/US@EPA, Gaylene Vasaturo/R5/USEPA/US@EPA, Sherry
Estes/R5/USEPA/US@EPA, Gary Victorine/R5/USEPA/US@EPA, Michael
Cunningham/R5/USEPA/US@EPA, Michael Beedle/R5/USEPA/US@EPA

Bcc: Diane Sharrow/R5/USEPA/US

Bryan,

With both Lorna Jereza and Gaylene Vasaturo retiring in December 2012, I wanted to make sure you were all aware of the status of this Michigan site.

A RCRA 7003 Administrative Order was issued in 2001 (Docket No. R7003-5-00-001).

Severstal Dearborn LLC continues to operate the WWTP, submit Monthly Progress Reports and conduct activities under the Continuing Emergency Measures Workplan to remove oil and to limit exposure of wildlife.

These Monthly Reports are on file in the RCRA File Room on the 7th Floor of the Metcalfe Building.

File Room staff has sent some of the older materials on this site to the Federal Records Center.

The SRWWTP has been subject to sampling by CS 1 and under a corrective action order issued under 3008(h) to Ford Motor Company (SRWWTP was originally part of the Rouge Complex).

The SRWWTP has also been subject to litigation filed by Ford against the US.

John Craig of MDEQ is copies on the Monthly Reports.

I last inspected the site for compliance with the 7003 Order and CEM Workplan in August 2011.

If you have any questions, please let me know.

Thank you,

Diane M. Sharrow
Environmental Scientist/Senior Inspector
USEPA, Region 5, Land and Chemicals Division
RCRA Branch, Compliance Section 1
Mail Code LR-8J
77 W. Jackson Blvd.
Chicago, IL 60604-3590

Direct 312.886.6199
Facsimile 312.692.2906

Sharrow.Diane@epa.gov



MID 087 738431

March 14, 2014

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: February 2014 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The February monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. The report contains the February operators' inspection logs. No wildlife was potentially exposed in the month of February.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. Earl", written over a horizontal line.

James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9319
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

THE MONTHLY PROGRESS REPORT
FOR
February 2014

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN, LLC

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

TABLE OF CONTENTS

	Page
1.0 Introduction	1
2.0 Activities for the Period	1
3.0 Inspection Findings	1
4.0 Evaluation	1,2
5.0 Oil Removal and Disposal	2
Inspection Summary and Report Sheets	Appendix A

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period February 1 through February 28, 2014. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. In the month of February, the cannons and air dancers partially operated for a couple days due to rain and windy weather. Also on 2/4/2014, one of three cannons wasn't operated due to a broken spring and was fixed around 2:00 pm same day. Daily inspections showed very low activities observed throughout the area, and we believe that the non-working cannon and air dancers didn't affect the operation of the wildlife deterrent systems. Also, no repetitive use of the treatment ponds and lagoons was observed in the February inspections.

In the month of February, on several occasions a grebe, blue herons and common loon were observed near or using one of the treatment plant impoundments and were scared off with the air horns. The birds flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in February. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by vacuum truck.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place. Propane cannons operated properly in February 2014 except for a couple days due to rain and windy weather. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In February, there were observations of a grebe, blue herons and common loon near or using one of the treatment plant impoundments. In some cases, the birds or animals flew or walked away on their own, but more often persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix A.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of February 2014.

APPENDIX A

Inspection Summary and Report Sheets

SUMMARY OF WILDLIFE ACTIVITY LOG

Inspections	Bird Observations	Interest Shown	Adjacent	Flying Over	Elsewhere	Interest Shown Location	Number of Horn Blasts	Exposed?	Carcass?	Result
101	145	1	17	100	68	Secondary Lagoon	129	No	No	Flew or ran away on their own and after horn blasts.

*During dawn to dusk inspections

Interest Shown: In or On the Ponds

Adjacent: to within 5 feet of water edge or surface

Elsewhere: On the ground or structure, or in tree >5 from water

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Vegetation (>6 inches high)	Cannon Operating	Scary Balloons (>8 inflated)	Netting Holes or Gaps	Mylar Bibbons Implaced	Air Dancer Operating?
None	No	Yes*	Yes	No	NA	Yes. Except for a couple snow or windy days

* One out of three Cannons was not working on 2/4/2014 due to broken spring. The cannon was fixed at 2:00 PM same day. The Cannons also were not working on 2/20 half day and 2/21 half day due to rain, cold weather or high wind condition.

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil		If Recoverable Oil Not	Oil Management		
Primary Lagoon	Secondary Lagoon	Speccific Location	Oil equipment off Ground	If Not. Response Action	Comments
0	0	NA	Yes	NA	Oil not captured by skimmers is removed frequently by vacuum truck.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
2/1	8:13 AM	CANADA GOOSE	11	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RC
2/1	8:17 AM	CANADA GOOSE	30	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RC
2/1	8:24 AM	CANADA GOOSE	47	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RC
2/1	9:11 AM	GREAT BLUE HERON	2	SL S P D (B)	I (A) O E	2	FEW AWAY	N	N	RC
2/1	5:47 PM	GREAT BLUE HERON	1	SL (S) P D B	I (A) O E	8	FEW AWAY	N	N	RC
2/2	8:34 AM	RING BILLED GULL	1	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RC
2/2	2:33 PM	CANADA GOOSE	5	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RC
2/2	5:32 PM	CANADA GOOSE	2	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RC
2/2	5:40 PM	SPARROW	5	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RC
2/2	5:40 PM	RING BILLED GULL	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RC
2/3	8:03 AM	RING BILLED GULL	2	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RC
2/3	8:16 AM	GREAT BLUE HERON	3	SL S P D (B)	I (A) O E	4	FEW AWAY	N	N	RC
2/3	3:02 PM	GREAT BLUE HERON	1	SL (S) P D B	I (A) O E	0	FEW AWAY	N	N	RC
2/3	4:01 PM	GREAT BLUE HERON	1	SL (S) P D B	I (A) O E	0	FEW AWAY	N	N	RC
2/3	5:36 PM	GREAT BLUE HERON	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RC
2-4	8:00 AM	CANADA GOOSE	6	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RC
2-4	10:00 AM	RING BILLED GULL	1	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	RC
2-4	2:00 PM	GREAT BLUE HERON	1	SL S P D (B)	I A (O) E	0	FEW AWAY	N	N	RC
2-4	2:00 PM	Rabbit	1	SL S P D (B)	I A O (E)	2	RAN AWAY	N	N	RC
2-4	6:15 PM	CANADA GOOSE	90	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RC
2-4	6:15 PM	GREAT BLUE HERON	1	SL (S) P D B	I (A) O E	1	FEW AWAY	N	N	RC
2-5	8:00 AM	Robin	1	SL (S) P D B	I A O (E)	1	FEW AWAY	N	N	DT

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
2-5	1:00 PM	CANADA GOOSE	10	SL S (P) D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-5	3:00 PM	RING BILLED GULL	6	(SL) S P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-5	3:10 PM	GREAT BLUE HERON	1	(SL) S P D B	I A (O) E	1	FLOW AWAY	N	N	[Signature]
2-5	5:30 PM	CANADA GOOSE	8	SL (S) P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-5	7:00 PM	Rabbit	1	(SL) S P D B	I A O (E)	1	RAN AWAY	N	N	[Signature]
2-6	8:00 AM	GREAT BLUE HERON	1	SL S P (D) B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-6	9:00 AM	RING BILLED GULL	2	(SL) S P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-6	6:00 PM	GREAT BLUE HERON	1	SL (S) P D B	I A (O) E	2	FLOW AWAY	N	N	[Signature]
2-6	6:15 PM	RING BILLED GULL	3	(SL) S P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-7	8:00 AM	CANADA GOOSE	2	SL (S) P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-7	10:00 AM	GREAT BLUE HERON	2	SL S P D (B)	I A O (E)	0	STANDING	N	N	[Signature]
2-7	3:00 PM	RING BILLED GULL	8	(SL) S P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-7	6:30 PM	Rabbit	1	SL (S) P D B	I A O (E)	0	RAN AWAY	N	N	[Signature]
2-8	5:05 PM	GREAT BLUE HERON	1	SL (S) P D B	I (A) O E	0	FLOW AWAY	N	N	[Signature]
2-8	5:13 PM	SPARROW	6	SL S (P) D B	I A O (E)	2	FLOW AWAY	N	N	[Signature]
2-9	5:42 PM	GREAT BLUE HERON	1	SL S P D (B)	I (A) O E	5	FLOW AWAY	N	N	[Signature]
2-9	7:10 PM	GREAT BLUE HERON	1	SL (S) P D B	I A O (E)	0	FLOW AWAY	N	N	[Signature]
2-10	7:56 AM	RING BILLED GULL	1	SL (S) P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-10	8:16 AM	RING BILLED GULL	3	SL (S) P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-10	12:18 PM	AMERICAN ROBIN	1	SL S P D (B)	I A O (E)	1	FLOW AWAY	N	N	[Signature]
2-10	3:05 PM	COMMON LOON	2	SL (S) P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]
2-10	5:16 PM	RING BILLED GULL	2	SL (S) P D B	I A (O) E	0	FLOW AWAY	N	N	[Signature]

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
2/10	5:25 PM	GREAT BLUE HERON	7	SL S P D (B)	I A O (E)	3	FEW AWAY	N	N	RE
2/11	8:14 AM	NORTHERN HARRIER	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
2/11	8:19 AM	RING BILLED GULL	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
2/11	10:15 AM	COMMON LOON	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
2/11	5:3 PM	AMERICAN ROBIN	17	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
2/11	5:5 PM	COMMON LOON	1	SL (S) P D B	I (A) O E	0	FEW AWAY	N	N	RE
2-12	8:00 AM	GREAT BLUE HERON	2	SL S P D (B)	I A O (E)	0	STANDING	N	N	RE
2-12	10:00 AM	GREAT BLUE HERON	2	SL S P D (B)	I A O (E)	0	STANDING	N	N	RE
2-12	10:30 AM	GULL	2	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	RE
2-12	6:00 PM	CANADA GOOSE	3	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
2-12	6:30 PM	RABBIT	1	SL (S) P D B	I A O (E)	0	RAN AWAY	N	N	RE
2-13	8:00 AM	GULL	2	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	RE
2-13	10:00 AM	GREAT BLUE HERON	1	SL S P D (B)	I A O (E)	1	FEW AWAY	N	N	RE
2-13	12:00 PM	GREAT BLUE HERON	2	SL S P D (B)	I A (O) E	2	FEW AWAY	N	N	RE
2-13	12:30 PM	GREBE	1	SL (S) P D B	(I) A O E	6	FEW AWAY	N	N	RE
2-13	3:00 PM	GREAT BLUE HERON	1	SL (S) P D B	I A (O) E	2	FEW AWAY	N	N	RE
2-13	4:30 PM	GREAT BLUE HERON	1	SL (S) P D B	I A (O) E	10	FEW AWAY	N	N	RE
2-13	6:30 PM	GREAT BLUE HERON	1	SL (S) P D B	I A (O) E	5	FEW AWAY	N	N	RE
2-14	8:00 AM	GREAT BLUE HERON	2	SL S P D (B)	I A O (E)	3	STANDING	N	N	RE
2-14	8:00 AM	GULL	1	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	RE
2-14	8:00 AM	HAWK	1	SL S P D (B)	I A (O) E	7	FEW AWAY	N	N	RE
2-14	8:00 AM	AMERICAN ROBIN	1	SL S P D (B)	I A (O) E	2	FEW AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
2-14	11:00 AM	GREAT BLUE HERON	1	SL S P D B	I A O E	3	FLY AWAY	N	N	RE
2-14	4:00 PM	AMERICAN ROBIN	1	SL S P D B	I A O E	2	FLY AWAY	N	N	RE
2-14	4:00 PM	GREAT BLUE HERON	1	SL S P D B	I A O E	6	FLY AWAY	N	N	RE
2-14	6:30 PM	RABBIT	1	SL S P D B	I A O E	1	RAN AWAY	N	N	RE
2-15	8:00 AM	GULL	8	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-15	9:00 AM	GREAT BLUE HERON	1	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-15	1:00 PM	AMERICAN ROBIN	2	SL S P D B	I A O E	2	FLY AWAY	N	N	RE
2-15	6:30 PM	AMERICAN BLACK DUCK	1	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-16	9:25 AM	COMMON LOON	2	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-16	11:20 AM	RING BILLED GULL	1	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-16	3:58 PM	GREAT BLUE HERON	1	SL S P D B	I A O E	1	FLY AWAY	N	N	RE
2-16	5:25 PM	COMMON LOON	2	SL S P D B	I A O E	4	FLY AWAY	N	N	RE
2-16	5:36 PM	AMERICAN ROBIN	13	SL S P D B	I A O E	2	FLY AWAY	N	N	RE
2-16	6:02 PM	GREAT BLUE HERON	1	SL S P D B	I A O E	1	FLY AWAY	N	N	RE
2-17	8:06 AM	RING BILLED GULL	2	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-17	9:40 AM	CANADA GOOSE	16	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-17	1:53 PM	COMMON LOON	1	SL S P D B	I A O E	8	FLY AWAY	N	N	RE
2-17	5:21 PM	RING BILLED GULL	1	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-18	7:42 AM	RING BILLED GULL	3	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-18	8:32 AM	RING BILLED GULL	2	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-18	8:37 AM	RING BILLED GULL	1	SL S P D B	I A O E	0	FLY AWAY	N	N	RE
2-18	10:24 AM	RING BILLED GULL	11	SL S P D B	I A O E	0	FLY AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
2/18	5:37 PM	Great blue Heron	1	SL S (P) D B	I A O (E)	2	FLY AWAY	N	N	RE
2/18	6:30 PM	CANADA GOOSE	6	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2/19	7:41 AM	Great blue Heron	1	SL (S) P D B	I A O (E)	2	FLY AWAY	N	N	RE
2/19	7:41 AM	Ring Billed Gull	1	(SL) S P D B	I A (O) E	0	FLY AWAY	N	N	RE
2/19	7:43 AM	AMERICAN ROBIN	1	SL (S) P D B	I A O (E)	1	FLY AWAY	N	N	RE
2/19	7:49 AM	Ring Billed Gull	1	SL S (P) D B	I A (O) E	0	FLY AWAY	N	N	RE
2/19	9:17 AM	Ring Billed Gull	1	SL S (P) D B	I A (O) E	0	FLY AWAY	N	N	RE
2/19	10:10 AM	AMERICAN ROBIN	6	SL S (P) D B	I A O (E)	2	FLY AWAY	N	N	RE
2/19	5:33 PM	Ring Billed Gull	1	SL S (P) D B	I A (O) E	0	FLY AWAY	N	N	RE
2/19	6:00 PM	Great blue Heron	1	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-20	8:00 AM	CANADA GOOSE	12	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-20	9:00 AM	AMERICAN ROBIN	1	(SL) S P D B	I A O (E)	1	FLY AWAY	N	N	RE
2-20	9:30 AM	CANADA GOOSE	2	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-20	1:00 PM	Black Duck	1	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-20	6:30 PM	CANADA GOOSE	4	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-21	8:00 AM	Ring Billed Gull	5	(SL) S P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-21	9:00 AM	Black Duck	1	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-21	1:00 PM	SPARROW	1	(SL) S P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-21	4:00 PM	Robin	1	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-21	6:30 PM	Great Blue Heron	1	(SL) S P D B	I A (O) E	0	FLY AWAY	N	N	RE
2-21	6:45 PM	Rabbit	1	SL (S) P D B	I A O (E)	0	Ran Away	N	N	RE
2-22	8:00 AM	Gull	4	(SL) S P D B	I A (O) E	0	FLY AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Berm area

² With respect to impoundment(s): 1 = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
2-22	11:00 AM	SPARROW	6	SL S P D (B)	I A (O) E	2	FEW AWAY	N	N	RE
2-22	3:00 PM	SPARROW	4	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
2-22	6:00 PM	SPARROW	4	SL S P D (B)	I A (O) E	0	FEW AWAY	N	N	RE
2-22	7:00 PM	ROBIN	1	SL S P D (B)	I A (O) E	0	FEW AWAY	N	N	RE
2-23	8:00 AM	GULL	2	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	RE
2-23	11:00 AM	SPARROW	4	SL S P (D) B	I A (O) E	0	FEW AWAY	N	N	RE
2-23	3:00 PM	GREAT BLUE HERON	1	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	RE
2-23	7:00 PM	SPARROW	2	SL S P D (B)	I A (O) E	0	FEW AWAY	N	N	RE
2/24	7:52 AM	CANADA GOOSE	2	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
2/24	8:10 AM	Ring Billed Gull	2	SL (S) P D B	I A (O) E	3	FEW AWAY	N	N	RE
2/24	8:16 AM	Northern Harrier	1	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
2/24	5:55 PM	COMMON GRACKLE	35	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
2/25	7:56 AM	CANADA GOOSE	1	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
2/25	1:25 PM	CANADA GOOSE	8	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
2/25	2:02 PM	CANADA GOOSE	5	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
2/25	2:06 PM	Ring Billed Gull	7	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
2/25	5:35 PM	CANADA GOOSE	2	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
2/25	5:39 PM	Ring Billed Gull	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
2/26	8:01 AM	COMMON GRACKLE	1	SL S P D (B)	I A (O) E	1	FEW AWAY	N	N	RE
2/26	8:05 AM	Northern Harrier	1	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
2/26	8:07 AM	Ring Billed Gull	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
2/26	8:07 AM	CANADA GOOSE	3	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
2/26	9:17 AM	GREAT BLUE HERON	2	SL S P D <u>B</u>	I <u>A</u> O E	2	Flew Away	N	N	RC
2/26	5:48 PM	Ring Billed Gull	3	SL S <u>P</u> D B	I A <u>O</u> E	0	Flew Away	N	N	RC
2/27	7:58 AM	Ring Billed Gull	3	SL S <u>P</u> D B	I A <u>O</u> E	0	Flew Away	N	N	RC
2/27	9:14 AM	GREAT BLUE HERON	1	SL S P D <u>B</u>	I <u>A</u> O E	2	Flew Away	N	N	RC
2/27	9:17 AM	MAJINING DOVE	6	SL <u>S</u> P D B	I A <u>O</u> E	0	Flew Away	N	N	RC
2/27	11:25 AM	Ring Billed Gull	1	SL <u>S</u> P D B	I A <u>O</u> E	0	Flew Away	N	N	RC
2/27	6:06 PM	Northern Harrier	1	SL S <u>P</u> D B	I A <u>O</u> E	0	Flew Away	N	N	RC
2/27	6:14 PM	SPARROW	2	SL S <u>P</u> D B	I A <u>O</u> E	2	Flew Away	N	N	RC
2-28	8:00 AM	Gull	4	<u>SL</u> S P D B	I A <u>O</u> E	0	Flew Away	N	N	RC
2-28	10:00 AM	Northern Hawk Harrier	2	SL S P D <u>B</u>	I A O <u>E</u>	0	Flew Away	N	N	RC
2-28	1:00 PM	SPARROW	3	SL S P D <u>B</u>	I A O <u>E</u>	1	Flew Away	N	N	RC
2-28	2:00 PM	CANADA GOOSE	1	<u>SL</u> S P D B	I A <u>O</u> E	3	Flew Away	N	N	RC
2-28	7:00 PM	Rabbit	1	SL <u>S</u> P D B	I A O <u>E</u>	1	RAN Away	N	N	RC
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					
				SL S P D B	I A O E					

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)		
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?	
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N	
2/1	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
2/2	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
2/3	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
2/04	9:00 AM	Y	N	Y	N	Y	Y	N	Y	Y	Y	NA	NA	NA	NA	Y	Y	BT	
	1:00 PM	Y	N	Y	N	Y	Y	N	Y	Y	Y	NA	NA	NA	NA	Y	Y		
2/05	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	Y	BT	
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	Y		
2/06	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	Y	BT	
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	Y		
2/07	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	Y	BT	
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	Y		
2/8	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	Y	RE	
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	Y		

BROKEN SPRING
FIXED
2:00 PM

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
2/9	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
2/10	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
2/11	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
2/12	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
2/13	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
2/14	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	N	Y	Y	Y	Y	NA	NA	NA	NA	Y	
2/15	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
2/16	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

DIKE REPAIR CANNON

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
2/17	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
2/18	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
2/19	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
2/20	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	N	N	N	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
2/21	9:00 AM	Y	N	Y	N	N	N	N	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	RE
2/22	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	RE
2/23	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	RE
2/24	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	N	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

HEAVY RAIN
HIGH WINDS

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
2/25	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	PE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	PE
2/26	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	PE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	PE
2/27	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	PE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	PE
2/28	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	PE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	PE

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
2/1	9:00 AM	Y	Y	NA	NA	N	Y	N	RR
	1:00 PM	Y	Y	NA	NA	N	Y	N	RR
2/2	9:00 AM	Y	Y	NA	NA	N	Y	N	RR
	1:00 PM	Y	Y	NA	NA	N	Y	N	RR
2/3	9:00 AM	Y	Y	NA	NA	N	Y	N	RR
	1:00 PM	Y	Y	NA	NA	N	Y	N	RR
2/04	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
2/05	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
2/06	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
2/07	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
2/8	9:00 AM	Y	Y	NA	NA	N	Y	N	RR
	1:00 PM	Y	Y	NA	NA	N	Y	N	RR
2/9	9:00 AM	Y	Y	NA	NA	N	Y	N	RR
	1:00 PM	Y	Y	NA	NA	N	Y	N	RR

¹ If no recoverable oil is present, enter Not Applicable (NA).
² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
2/10	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
2/11	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
2/12	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
2/13	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
2/14	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
2/15	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
2/16	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
2/17	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
2/18	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
2/19	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
2/20	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
2/21	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
2/22	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
2/23	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
2/24	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
2/25	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
2/26	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
2/27	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
2/28	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	

¹ If no recoverable oil is present, enter Not Applicable (NA).
² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

FORM SRWWTP 1.01
REVISION DATE: 5/14/2013



MID 087 738431

February 14, 2014

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

**Subject: January 2014 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant
(“SRWWTP”)**


Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The January monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. The report contains the January operators' inspection logs. No wildlife was potentially exposed in the month of January.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,


James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9319
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

THE MONTHLY PROGRESS REPORT
FOR
January 2014

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN, LLC

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

TABLE OF CONTENTS

	Page
1.0 Introduction	1
2.0 Activities for the Period	1
3.0 Inspection Findings	1
4.0 Evaluation	1,2
5.0 Oil Removal and Disposal	2
Inspection Summary and Report Sheets	Appendix A
Oil Hauling Manifests	Appendix B

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period January 1 through January 31, 2014. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. In the month of January, the air dancers didn't operate for a couple days due to cold and windy weather. However, daily inspections show very low activities observed throughout the area, and we believe that the non-working air dancers didn't affect the operation of the wildlife deterrent systems. Also, no repetitive use of the treatment ponds and lagoons was observed in the January inspections.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in January. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured

within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed by vacuum truck.

2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by vacuum truck.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place. Propane cannons operated properly in January 2014. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In January, there was no observation of significant wildlife activities within the SRWWTP fence. Activities within SRWWTP fence are summarized in Appendix A.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

6,000 gallons of oil-water mixture were hauled off-site in the month of January 2014. Copies of the manifests for the loads are in Appendix B.

APPENDIX A

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

January 1 to January 31, 2014

SUMMARY OF WILDLIFE ACTIVITY LOG

Inspections	Bird Observations	Interest Shown	Adjacent	Flying Over	Elsewhere	Interest Shown Location	Number of Horn Blasts	Exposed?	Carcass?	Result
103	132	0	4	71	57	NA	141	No	No	Flew or ran away on their own and after horn blasts.

*During dawn to dusk inspections

Interest Shown: In or On the Ponds

Adjacent: to within 5 feet of water edge or surface

Elsewhere: On the ground or structure, or in tree >5 from water

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Vegetation (>6 inches)	Cannon Operating	Scary Balloons	Netting Holes or	Mylar Bibbons	Air Dancer Operating?
None	No	Yes	Yes	No	NA	Yes. Except for a couple snow or windy days

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)		If Recoverable Oil Not reach of an operating skimmers	Oil Management		
Primary Lagoon	Secondary Lagoon	Speccific Location	Oil equipment off Ground	If Not. Response Action	Comments
0	0	NA	Yes	NA	Oil not captured by skimmers is removed frequently by vacuum truck.

SRWWTP - WILDLIFE ACTIVITY LOG

Date 2014	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
1/1	9:00 AM	MOURNING DOVE	18	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
1/1	9:43 AM	AMERICAN ROBIN	6	SL S P (D) B	I A (O) E	0	FEW AWAY	N	N	RE
1/1	9:45 AM	GREAT BLUE HERON	1	SL S P D (B)	I A O (E)	3	FEW AWAY	N	N	RE
1/1	9:55 AM	RING BILLED GULL	1	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	RE
1/1	3:20 PM	CANADA GOOSE	18	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
1/2	10:03 AM	CANADA GOOSE	6	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
1-3	12:01 PM	CANADA GOOSE	100 ⁺	SL (S) P (D) B	I A (O) E	0	FEW AWAY	N	N	ST
1-3	3:00 PM	CANADA GOOSE	20	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	ST
1-4	8:00 AM	GREAT BLUE HERON	1	(SL) S P D B	I A (O) E	2	FEW AWAY	N	N	ST
1-4	9:00 AM	CANADA GOOSE	100 ⁺	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	ST
1-4	1:00 PM	RING BILLED GULL	1	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	ST
1-4	6:30 PM	Rabbit	1	(SL) S P D B	I A O (E)	1	RAN AWAY	N	N	ST
1-5	8:30 AM	CANADA GOOSE	60 ⁺	SL (S) P (D) B	I A (O) E	0	FEW AWAY	N	N	ST
1-5	9:00 AM	CANADA GOOSE 150	150 ⁺	SL (S) P (D) B	I A (O) E	0	FEW AWAY	N	N	ST
1-5	1:00 PM	CANADA GOOSE	1	SL S P (D) B	I A (O) E	0	FEW AWAY	N	N	ST
1-5	6:00 PM	PIGEON	2	SL S P D (B)	I A O (E)	3	JUST SAT THERE	N	N	ST
1-6	9:00 AM	SPARROW	1	SL S P (D) B	I A (O) E	1	FEW AWAY	N	N	ST
1-6	1:00 PM	SPARROW	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	ST
1-6	4:00 PM	SPARROW	3	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	ST
1/7	8:28 AM	MOURNING DOVE	5	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
1/7	8:41 AM	MOURNING DOVE	6	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
1/7	9:13 AM	SPARROW	1	SL S (P) D B	I A O (E)	3	FEW AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Berm area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
1/7	1:14 PM	Northern Harrier	1	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/7	5:06 PM	SPARROW	2	SL S P D B	I A O E	3	FLew AWAY	N	N	RE
1/8	8:15 AM	SPARROW	2	SL S P D B	I A O E	2	FLew AWAY	N	N	RE
1/8	8:23 AM	Ring Billed Gull	2	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/8	9:05 AM	Great blue HERON	1	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/8	9:18 AM	Mourning DOVE	6	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/8	5:13 PM	American Robin	1	SL S P D B	I A O E	1	FLew AWAY	N	N	RE
1/9	8:07 AM	SPARROW	5	SL S P D B	I A O E	4	FLew AWAY	N	N	RE
1/9	9:08 AM	SPARROW	2	SL S P D B	I A O E	1	FLew AWAY	N	N	RE
1/9	5:05 PM	CANADA GOOSE	10	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/10	7:55 AM	American Robin	1	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/10	8:50 AM	CANADA GOOSE	35	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/10	9:44 AM	Great blue Heron	3	SL S P D B	I A O E	1	FLew AWAY	N	N	RE
1/10	9:47 AM	Ring Billed Gull	1	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/10	12:35 PM	Northern Harrier	1	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/10	5:15 PM	Great blue Heron	1	SL S P D B	I A O E	2	FLew AWAY	N	N	RE
1/11	7:56 AM	American Robin	3	SL S P D B	I A O E	1	FLew AWAY	N	N	RE
1/11	1:09 PM	Ring Billed Gull	1	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1/11	5:17 PM	Ring Billed Gull	1	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1-12	8:00 AM	AMERICAN BLACK DUCK	6	SL S P D B	I A O E	0	FLew AWAY	N	N	RE
1-12	9:00 AM	GREAT BLUE HERON	1	SL S P D B	I A O E	2	FLew AWAY	N	N	RE
1-12	1:00 PM	AMERICAN Robin	3	SL S P D B	I A O E	2	FLew AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Berm ed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
1-12	6:00 PM	AMERICAN Robin	1	SL S P D (B)	I A O (E)	0	FEW AWAY	N	N	JT
1-13	8:00 AM	CANADA GOOSE	30	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	JT
1-13	8:30 AM	CANADA GOOSE	6	SL S P (D) B	I A (O) E	0	FEW AWAY	N	N	JT
1-13	10:30 AM	Duck	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	JT
1-13	3:30 PM	GREAT BLUE HERON	1	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	JT
1-13	6:00 PM	Rabbit	1	SL S (P) D B	I A O (E)	1	RAN AWAY	N	N	JT
1-14	8:00 AM	RED WINGED BLACKBIRD	1	SL S P (D) B	I A (O) E	1	FEW AWAY	N	N	JT
1-14	9:00 AM	GREAT BLUE HERON	1	(SL) S P D B	I A (O) E	2	FEW AWAY	N	N	JT
1-14	1:00 PM	AMERICAN Robin	3	(SL) S P D B	I A O (E)	2	FEW AWAY	N	N	JT
1-14	4:00 PM	Rabbit	1	SL S (P) D B	I A O (E)	1	RAN AWAY	N	N	JT
1-14	6:00 PM	Rabbit	1	SL S P (D) B	I A O (E)	1	RAN AWAY	N	N	JT
2/15	7:53 AM	Great blue Heron	3	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	RP
2/15	8:02 AM	CANADA GOOSE	23	(SL) S P D B	I A (O) E	0	FEW AWAY	N	N	RP
2/15	8:25 AM	Ring billed Gull	1	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RP
2/15	11:07 AM	Ring Billed Gull	1	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RP
2/15	5:26 PM	AMERICAN Robin	5	SL S (P) D B	I A O (E)	4	FEW AWAY	N	N	RP
2/16	8:02 AM	Ring Billed Gull	1	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RP
2/16	8:06 AM	MOURNING DOVE	2	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RP
2/16	8:20 AM	MOURNING DOVE	2	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RP
2/16	9:07 AM	SPARROW	11	SL S P (D) B	I A O (E)	3	FEW AWAY	N	N	RP
2/16	10:35 AM	SPARROW	2	SL S (P) D B	I A O (E)	1	FEW AWAY	N	N	RP
2/16	1:00 PM	CANADA GOOSE	11	SL S P (D) B	I A (O) E	0	FEW AWAY	N	N	RP

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Berm area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
1/16	5:17 PM	AMERICAN ROBIN	5	SL S P D (B)	I A O (E)	2	FLY AWAY	N	N	RE
2/17	8:36 AM	CANADA GOOSE	10	SL S (P) D B	I A (O) E	0	FLY AWAY	N	N	RE
2/17	8:43 AM	CANADA GOOSE	56	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2/17	8:56 AM	CANADA GOOSE	25	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2/17	8:52 AM	NORTHERN HARRIER	1	SL S (P) D B	I A (O) E	0	FLY AWAY	N	N	RE
2/17	4:09 PM	CANADA GOOSE	97	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
2/17	5:28 PM	SPARROW	5	SL S (P) D B	I A O (E)	3	FLY AWAY	N	N	RE
2/18	8:36 AM	MOURNING DOVE	21	(SL) S P D B	I A (O) E	0	FLY AWAY	N	N	RE
2/18	9:11 AM	GREAT BLUE HERON	2	SL S P (D) B	I A (O) E	0	FLY AWAY	N	N	RE
2/18	5:21 PM	SPARROW	1	SL S (P) D B	I A O (E)	1	FLY AWAY	N	N	RE
1-19	8:00 AM	GREAT BLUE HERON	2	SL S P (D) B	I A (O) E	3	FLY AWAY	N	N	RE
1-19	8:00 AM	Duck	2	SL (S) P D B	I A (O) E	7	FLY AWAY	N	N	RE
1-19	8:00 AM	GREAT BLUE HERON	1	(SL) S P D B	I A (O) E	1	FLY AWAY	N	N	RE
1-19	6:00 PM	RABBIT	2	SL S P (D) B	I A O (E)	1	RAN AWAY	N	N	RE
1-20	8:00 AM	Gull	1	SL (S) P D B	I A (O) E	2	FLY AWAY	N	N	RE
1-20	8:00 AM	SPARROW	1	SL S (P) D B	I A O (E)	1	FLY AWAY	N	N	RE
1-20	6:00 PM	SPARROW	2	SL S (P) D B	I A O (E)	1	FLY AWAY	N	N	RE
1-21	8:00 AM	SPARROW	6	SL S (P) D B	I A O (E)	6	FLY AWAY	N	N	RE
1-21	6:00 PM	GREAT BLUE HERON	2	SL S P (D) B	I A O (E)	0	STAND TOGETHER	N	N	RE
1-22	8:00 AM	GREAT BLUE HERON	6	SL S P (D) B	I A O (E)	2	FLY AWAY	N	N	RE
1-22	10:00 AM	CANADA GOOSE	20	SL (S) P D B	I A (O) E	0	FLY AWAY	N	N	RE
1-22	11:00 AM	SPARROW	7	SL S (P) D B	I A O (E)	2	FLY AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
1-22	1:00 PM	hawk	2	SL S P (D) B	I A O (E)	2	FEW AWAY	N	N	JT
1-22	1:00 PM	GREAT BLUE HERON	5	SL S P (D) B	I A O (E)	0	STANDING	N	N	JT
1-22	1:00 PM	SPARROW	2	SL S (P) D B	I A O (E)	2	FEW AWAY	N	N	JT
1-22	7:00 PM	GREAT BLUE HERON	5	SL S P (D) B	I A O (E)	2	STANDING	N	N	JT
1/23	8:37 AM	GREAT BLUE HERON	1	SL S P (D) B	I A O (E)	0	FEW AWAY	N	N	RE
1/23	9:18 AM	GREAT BLUE HERON	9	SL S P D (B)	I A O (E)	5	FEW AWAY	N	N	RE
1/23	5:17 PM	CANADA GOOSE	29	SL (S) P D B	I A O (E)	0	FEW AWAY	N	N	RE
1/23	5:32 PM	CANADA GOOSE	8	SL (S) P D B	I A O (E)	0	FEW AWAY	N	N	RE
1/24	8:03 AM	RING BILLED GULL	1	SL (S) P D B	I A O (E)	0	FEW AWAY	N	N	RE
1/24	8:22 AM	GREAT BLUE HERON	1	SL S P D (B)	I A O (E)	0	FEW AWAY	N	N	RE
1/24	8:25 AM	RING BILLED GULL	1	SL (S) P D B	I A O (E)	0	FEW AWAY	N	N	RE
1/24	9:19 AM	GREAT BLUE HERON	5	SL S P D (B)	I A O (E)	4	FEW AWAY	N	N	RE
1/24	5:34 PM	AMERICAN ROBIN	1	SL S P (D) B	I A O (E)	0	FEW AWAY	N	N	RE
1/25	8:23 AM	RING BILLED GULL	3	(SL) S P D B	I A O (E)	0	FEW AWAY	N	N	RE
1/25	9:08 AM	GREAT BLUE HERON	4	SL S P D (B)	I A O (E)	3	FEW AWAY	N	N	RE
1/25	2:50 PM	RING BILLED GULL	2	SL (S) P D B	I A O (E)	0	FEW AWAY	N	N	RE
1/25	5:18 PM	CANADA GOOSE	27	SL (S) P D B	I A O (E)	0	FEW AWAY	N	N	RE
1/25	5:33 PM	CANADA GOOSE	5	SL (S) P D B	I A O (E)	0	FEW AWAY	N	N	RE
1/26	9:14 AM	GREAT BLUE HERON	1	SL S P D (B)	I A O (E)	1	FEW AWAY	N	N	RE
1/26	5:24 PM	AMERICAN ROBIN	5	SL S (P) D B	I A O (E)	0	FEW AWAY	N	N	RE
1-27	8:00 AM	RING BILLED GULL	2	(SL) S P D B	I A O (E)	0	FEW AWAY	N	N	JT
1-27	11:00 AM	SPARROW	2	SL S P D (B)	I A O (E)	3	FEW AWAY	N	N	JT

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
1-27	4:00 PM	SPARROW	1	SL S P D (B)	I A O (E)	3	FEW AWAY	N	N	RE
1-27	6:00 PM	SPARROW	3	SL S P D (B)	I A O (E)	2	FEW AWAY	N	N	RE
1-28	8:00 AM	SPARROW	2	SL S (P) D B	I A O (E)	2	FEW AWAY	N	N	RE
1-28	9:00 AM	RING BILLED GULL	2	(SL) S P D B	I A O (E)	0	FEW AWAY	N	N	RE
1-28	12:01 PM	SPARROW	12	SL S P D (B)	I A O (E)	10	FEW AWAY	N	N	RE
1-28	4:00 PM	SPARROW	4	SL S (P) D B	I A O (E)	2	FEW AWAY	N	N	RE
1-28	6:00 PM	Rabbit	1	(SL) S P D B	I A O (E)	1	RAN AWAY	N	N	RE
1-29	8:00 AM	SPARROW	3	SL S (P) D B	I A O (E)	3	FEW AWAY	N	N	RE
1-29	10:00 AM	Duck	0	SL S (P) D B	I A O (E)	0	FEW AWAY	N	N	RE
1-29	4:00 PM	SPARROW	4	SL S P D (B)	I A O (E)	3	FEW AWAY	N	N	RE
1-29	1:15 PM	Rabbit	1	SL S P D (B)	I A O (E)	1	RAN AWAY	N	N	RE
1-29	7:30 PM	Rabbit	1	(SL) S P D B	I A O (E)	1	HOPPED AWAY	N	N	RE
1-30	8:00 AM	SPARROW	8	SL S (P) D (B)	I A O (E)	2	FEW AWAY	N	N	RE
1-30	11:00 AM	SPARROW	6	SL S (P) D B	I A O (E)	2	FEW AWAY	N	N	RE
1-30	4:00 PM	SPARROW	8	SL S (P) D B	I A O (E)	2	FEW AWAY	N	N	RE
1/31	8:34 AM	RING BILLED GULL	1	SL S (P) D B	I A O (E)	0	FEW AWAY	N	N	RE
1/31	9:24 AM	CANADA GOOSE	1	SL S P D (B)	I A O (E)	0	FEW AWAY	N	N	RE
1/31	9:26 AM	Great blue Heron	1	SL S P D (B)	I A O (E)	0	FEW AWAY	N	N	RE
1/31	12:00 PM	Great blue Heron	1	SL (S) P D B	I (A) O E	0	FEW AWAY	N	N	RE
1/31	12:58 PM	Great blue Heron	1	SL (S) P D B	I A O (E)	3	FEW AWAY	N	N	RE
1/31	1:00 PM	Great blue Heron	1	SL (S) P D B	I A O (E)	2	FEW AWAY	N	N	RE
1/31	2:05 PM	Great blue Heron	1	SL (S) P D B	I (A) O E	4	FEW AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermmed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
2014 1/1	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
1/2	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
01/03	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
01/04	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
01/05	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	
01/06	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	
1/7	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
1/8	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

12" SNOW

100 WINDY

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
1/9	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
1/10	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
1/11	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
1/12	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
1/13	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
1/14	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
1/15	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
1/16	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
1/17	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
1/18	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
1/19	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
1/20	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
1/21	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
1/22	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
1/23	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
1/24	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D		Y/N	EL	WL	P	P	S	D		
1/25	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
1/26	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
1/27	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
1/28	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
1/29	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
1/30	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
1/31	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RC
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
2014 1/1	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
1/2	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
01/03	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
01/04	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
01/05	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
01/06	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
1/7	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
1/8	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE
1/9	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	RE

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
1/10	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/11	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/12	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/13	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/14	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/15	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/16	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/17	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/18	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
1/19	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/20	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/21	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/22	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/23	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/24	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/25	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/26	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/27	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
1/28	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/29	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/30	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	
1/31	9:00 AM	Y	Y	NA	NA	N	Y	N	[Signature]
	1:00 PM	Y	Y	NA	NA	N	Y	N	

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

FORM SRWWTP 1.01

REVISION DATE: 5/14/2013

APPENDIX B

Oil Hauling Manifests

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number M I D 0 5 4 1 9 1 4 7 1		2. Page 1 of 1	3. Emergency Response Phone (734) 586-0900	4. Manifest Tracking Number 002293121 GBF					
		5. Generator's Name and Mailing Address SEVERSTAL NORTH AMERICA 3001 MILLER ROAD DEARBORN, MI 48121 213 584-7376		Generator's Site Address (if different than mailing address)							
6. Transporter 1 Company Name THE HOPE ENVIRONMENTAL SERVICES		U.S. EPA ID Number M I R 0 0 0 3 6 4 5 9									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address ENVIRO SOLIDS LLC 6011 WYOMING AVE DEARBORN, MI 48126 (312) 582-8082		U.S. EPA ID Number M I D 0 5 4 1 9 1 4 7 1									
Facility's Phone:											
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
					No.	Type					
		1.	WASTE WATER TREATMENT PLANT OIL AND WATER			0 0 1	T T	3000	G	0211	
		2.									
		3.									
	4.										
14. Special Handling Instructions and Additional Information APPROVAL # 7351											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Officer's Printed/Typed Name Loan Trinh					Signature <i>[Signature]</i>			Month Day Year 7 9 14			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Materials										
	Transporter 1 Printed/Typed Name Mike T. Olson				Signature <i>[Signature]</i>			Month Day Year 7 9 14			
	Transporter 2 Printed/Typed Name				Signature			Month Day Year			
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
	Manifest Reference Number:										
	18b. Alternate Facility (or Generator) U.S. EPA ID Number										
	Facility's Phone:										
	18c. Signature of Alternate Facility (or Generator)							Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
	1.		2.		3.		4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name					Signature			Month Day Year			

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number M I D 0 6 7 7 3 8 4 3 1	2. Page 1 of 1	3. Emergency Response Phone (734) 586-0900	4. Manifest Tracking Number 002293122 GBF		
5. Generator's Name and Mailing Address SEVERSTAL NORTH AMERICA 3001 MILLER ROAD DEARBORN, MI 48121				Generator's Site Address (if different than mailing address) 313 594-7375			
Generator's Phone: 313 594-7375							
6. Transporter 1 Company Name THE HOPSIE ENVIRONMENTAL SERVICES				U.S. EPA ID Number M I R 0 0 0 0 3 6 4 8 3			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address ENVIROSOLIDS LLC 5011 WYOMING AVE DEARBORN, MI 48126				U.S. EPA ID Number M I D 0 6 4 1 9 1 4 7 1			
Facility's Phone: (313) 582-8032							
GENERATOR ↓	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
		1. WASTE WATER TREATMENT PLANT OIL AND WATER	0 0 1	T T	3000	G	0211
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information APPROVAL # 7351							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Lan Trub				Signature <i>Lan Trub</i>		Month Day Year 1 9 14	
INT'L ↓	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	Transporter signature (for exports only): _____						
TRANSPORTER ↓	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name RKH T OREN		Signature <i>RKH T OREN</i>		Month Day Year 1 9 14		
	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
DESIGNATED FACILITY ↓	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator)					Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
	1.	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a							
Printed/Typed Name				Signature		Month Day Year	



MID 087738431

January 15, 2014

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: December 2013 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The December monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. The report contains the December wildlife survey report and the operators' inspection logs. No wildlife was potentially exposed in the month of December.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. Earl", written over a horizontal line.

James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9319
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

THE MONTHLY PROGRESS REPORT
FOR
December 2013

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN, LLC

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

TABLE OF CONTENTS

	Page
1.0 Introduction	1
2.0 Activities for the Period	1
3.0 Inspection Findings	1
4.0 Evaluation	1,2
5.0 Oil Removal and Disposal	2
Wildlife Survey	Appendix A
Inspection Summary and Report Sheets	Appendix B

**CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT**

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period December 1 through December 31, 2013. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds except for a couple small openings at the south end of the east sludge pond and the north end of the primary lagoon. The openings in the netting were repaired. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

A Wildlife Survey was conducted on December 17-18, 2013 and a copy of the report is provided in Appendix A. Inspection reports show seasonal activities observed in the general area, and no significant issues at the site were identified. Dr. Gates, Severstal's wildlife consultant, also reviewed and summarized the SRWWTP operation inspections for the period of December 1 to December 18, 2013 in the Wildlife Survey Report.

The summary of daily inspection findings is provided in Appendix B. Copies of the inspection reports are also provided in Appendix B. Daily Inspections show normal activities observed throughout the area.

In the month of December, a blue heron was observed near one of the treatment plant impoundments and was scared off with the air horns. The bird flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in December. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures

taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by vacuum truck.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place. Propane cannons operated properly in December 2013 except on the December 21 due to cold and rainy weather. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In December, there was an observation of a blue heron near one of the treatment plant impoundments and was scared off with the air horns. Activities within SRWWTP fence are summarized in Appendix B.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of December 2013.

APPENDIX A

Wildlife Survey

**Monthly Wildlife Survey Report
Schaefer Road Wastewater Treatment Plant
Severstal Dearborn, LLC
December 17-18, 2013**

Prepared by:

Dr. Robert J. Gates
School of Environment and Natural Resources
The Ohio State University
210 Kottman Hall
2021 Coffey Road
Columbus, OH 43210-1085
FAX: 614-292-7432
gates.77@osu.edu -- Phone 614-292-9571

Submitted to:

Mr. James Earl, Manager, Environmental Engineering
Severstal Dearborn.

Copied to:

Mr. Sid Haymour, Mr. David Williamson, and Ms. Lan Trinh,
Severstal Dearborn; David Rockman, Eckert Seamans, Cherin, and Mellott, LLC

Wildlife survey conducted and reported by:

Dr. Robert J. Gates, School of Environment and Natural Resources, The Ohio
State University

Survey Dates: 17-18 December, 2013

Reporting Date: 6 January, 2014

**I. WILDLIFE DISTRIBUTION, ABUNDANCE, ACTIVITY AND
RESPONSE TO DETERRENT MEASURES**

Procedure:

Wildlife surveys were conducted from 3 hours before sunset through 1 hour after sunset and from 1 hour before sunrise through 3 hours after sunrise during 17-18 December, 2013. Nine survey points (Figure 1) were established at strategic locations that provided complete visual coverage of the primary and secondary lagoons, sludge ponds, clarifiers, and grit chambers at the Schaefer Road Wastewater Treatment Plant (SRWWTP). Four survey points (not shown in Figure 1) were established at the southeast, southwest, northwest, and northeast corners of the diked lagoon.

The surface waters, shorelines, and nearby areas were searched with aid of binoculars to detect presence and record activity and abundance of all species of wildlife

(birds, mammals, reptiles, and amphibians). Shorelines of the primary, secondary, and diked lagoons and sludge ponds were surveyed to detect and sign (droppings, tracks, feathers, or other physical remains) of past wildlife use and to find wildlife carcasses. No carcasses or other remains of dead wildlife were found during the December 2013 monthly surveys.

Locations, activities (perched, flying [altitude], walking, resting feeding, etc), were recorded for all wildlife observed during 5-15 minute observation periods at each survey point. Wildlife response to deterrent measures was observed throughout the evening and morning survey rounds. Wildlife sign indicating past use (e.g. tracks, droppings, feathers and other remains, etc.) were observed and recorded while walking between survey points.

Three evening (17 December, 2013) and three morning (18 December, 2013) survey rounds were completed for the entire set of survey points. Walking surveys of the fence perimeter, bermed area, or other remote areas of the SRWWTP also were conducted at least once during the morning or evening survey periods.

Survey Results:

Evening, 17 December, 2013

The first round of evening wildlife surveys at the SRWWTP began at 3:20 pm and was completed by 4:40 pm on 17 December, 2013. The survey included the 13 survey points associated with the lagoons, clarifiers sludge ponds, grit pits, and the bermed area (Figure 1). Air temperature was 25° F, there was no precipitation, and cloud cover was 100% overcast. Winds were from the west at 5-10 mph. Visibility around the survey points and walking route was not obstructed by fog or steam rising from water bodies at the SRWWTP. Overall coverage of the area was 100% from all survey points.

A total of 117 birds of 7 species were observed during the first evening survey round on 17 December, 2013 (Table 1). Three flocks of Canada Geese passed over or within 400 feet of the SRWWTP, including 45 birds that flew at 200 feet altitude within 200 feet south of the south perimeter fence, 25 that flew over the primary lagoon at 50 feet altitude, and 11 that flew over the sludge ponds at 75 feet altitude. At least 1 Mallard was heard calling from the Rouge River area within 100 – 200 feet west of the sludge ponds. One Mourning Dove was seen perched in vegetation (*Phragmites* spp.) outside the perimeter fence within 40 feet west of the primary lagoon. Twelve Dark-eyed Juncos flew at 10 feet altitude over the southwest corner of the diked lagoon. Six American Robins and 1 Field Sparrow also flew over the diked lagoon at 20-50 feet altitude. Four American Robins, 3 Dark-eyed Juncos, and 2 Field Sparrows flew at 10-20 feet altitude just outside the west perimeter fence, 100 feet southwest of the diked lagoon. Approximately 5 Field Sparrows were heard calling from tree perches in the bermed area.

None of the birds observed during the first evening survey on 17 December, 2013 attempted to land on or near any of the SRWWTP water surfaces or other areas that are

potentially hazardous to wildlife. No other birds were observed on or within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits. No birds were observed inside the netting or goose-lines surrounding the lagoons. No other wildlife, or tracks and sign of wildlife were observed.

The second round of evening wildlife surveys began at 4:45 pm and was completed by 5:40 pm on 17 December, 2013. The surveys covered the bermed area and the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits (Figure 1). Air temperature was 24° F, there was no precipitation, and cloud cover was 100% overcast. Winds were from the west at 5-10 mph. Visibility around the survey points and walking route was unobstructed by fog or steam rising from water bodies at the SRWWTP and visual coverage of the area was 100%.

A total of 78 birds observations of 6 species were observed during the second evening survey round on 17 December, 2013 (Table 2). One Great Blue Heron and 3 Mallards were heard calling from the Rouge River area within 100 – 200 feet west of the sludge ponds. One Mourning Dove flew over the north end of the secondary lagoon at 20 feet altitude. A flock of about 60 European Starlings was observed perched in trees and feeding on the ground along the bermed area road north of the diked lagoon. Two Field Sparrows flew over the bermed area road at 10 feet altitude. One flock of 13 Canada Geese flew over the bermed area and perimeter fence at 200 feet altitude.

None of the birds observed during the second evening survey on 17 December, 2013 attempted to land on or near any of the SRWWTP water surfaces or other areas that are potentially hazardous to wildlife. No other birds were observed on or within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits. No birds were observed inside the netting or goose-lines surrounding the lagoons. Several sets of cottontail rabbit tracks and weasel (species undetermined) tracks were observed in fresh snow along the bermed area road north of the diked lagoon. No other wildlife, or tracks and sign of wildlife were observed.

The third round of evening wildlife surveys at the SRWWTP began at 5:50 pm and was completed by 7:05 pm on 17 December, 2013. The surveys covered only the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits. (Figure 1). Air temperature was 24° F, there was no precipitation, and cloud cover was 100% overcast. Winds were from the southwest at 10-15 mph. Visibility around the survey points and walking route was unobstructed by fog or steam rising from water bodies at the SRWWTP and visual coverage of the area was 100%. The survey was conducted after sunset at a fast pace to detect any birds that may have flown in to roost on water surfaces of the SRWWTP.

No birds were observed within 400 feet of the SRWWTP during the third evening survey on 17 December, 2013. Consequently, no birds were observed on or within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits. No birds were observed inside the netting or goose-lines surrounding the lagoons. One cottontail rabbit was observed in the assembly area of the

SRWWTP, within 20 feet south of the secondary lagoon. No other wildlife, or tracks and sign of wildlife were observed.

Morning, 18 December, 2013

The first round of morning wildlife surveys began at 6:30 am and was completed by 7:35 am on 18 December, 2013. The surveys covered only the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits (Figure 1). Air temperature was 25° F. Cloud cover was 100% overcast with light snow flurries. Winds were from the southwest at 0-5 mph. Visibility around the survey points and walking route was unobstructed by fog rising from water surfaces of the SRWWTP so coverage of the survey area was 100% from all survey points. The survey was conducted before sunrise at a fast pace to detect any birds that may have been present on or within 5 feet of the water surfaces of the SRWWTP before sunrise.

Walking inspections of the sludge ponds, clarifiers, all three lagoons, and the grit pits revealed that there were no birds present on these areas before sunrise. One Great Blue Heron and 3 mallards were heard calling from the Rouge River area within 100 – 200 feet west of the sludge ponds (Table 3). No birds were seen within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits. No birds attempted to land on or within 5 feet of water surfaces of the SRWWTP. No birds were observed inside the netting or goose-lines surrounding the lagoons. No observations, tracks, or signs of other wildlife were observed.

The second round of morning wildlife surveys began at 7:50 am and was completed by 9:30 am on 18 December, 2013. The second survey covered the bermed area, perimeter fence, and the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits (Figure 1). Air temperature was 25° F, with light snow flurries, and cloud cover was 100% overcast. Winds were from the southwest at 0-5 mph. Visibility of the primary and secondary lagoon was unobstructed by fog rising from the water surface so visual coverage of the survey area was 100%.

A total of 332 birds of 10 bird species were observed during the second morning survey on 18 December, 2013 (Table 4). There were several flights by 15 flocks (2-75 birds each) of Canada Geese during 8:00 - 8:30 am. Geese were observed flying from south to north over the primary and secondary lagoons or just outside the east and west perimeter fences at 75-130 feet altitude. Three American Robins flew over the sludge ponds at 15 feet altitude and a total of 10 American Robins flew over the secondary lagoon at 75 feet altitude. One American Robin was heard calling from a ground perch just outside the wet perimeter fence within 75 feet west of the primary lagoon. Twenty Ring-billed Gulls were seen flying over the west side of the SRWWTP, including the sludge ponds, secondary lagoon, and west perimeter fence at 75-200 feet altitude. Three Rock Pigeons flew over the secondary lagoon at 75 feet altitude. One Great Blue Heron and at least 3 mallards were heard calling from the Rouge River area within 100 – 200 feet west of the sludge ponds. At least 3 (each species) Dark-eyed Juncos, Field

Sparrows, and Black-capped Chickadees were heard calling from the idle area north the road in the north side of the bermed area.

No birds were observed on or within 5 feet of water surfaces of the any of the three lagoons, or the sludge ponds, clarifiers, and grit pits during the second morning survey on 18 December, 2013. No birds attempted to land on or within 5 feet of water surfaces of the SRWWTP. No birds were observed inside the netting or goose-lines surrounding the lagoons. No observations or signs of other wildlife were observed.

The third round of morning wildlife surveys at the SRWWTP began at 9:45 am and was completed by 10:45 am on 18 December, 2013. The third survey covered the perimeter fence and the 13 survey points associated with the lagoons, clarifiers sludge ponds, and grit pits (Figure 1). Air temperature was 26° F, cloud cover was 100% overcast, and there was no precipitation. Winds were from the southwest at 0-5 mph. Visibility around the survey points and walking route was not obstructed by fog rising from water surfaces of the SRWWTP. Consequently visual coverage of the survey area was 100%.

A total of 7 birds of 5 species were observed during the third morning survey on 18 December, 2013 (Table 5). One American Robin flew over the west perimeter fence at 50 feet altitude within 100 feet west of the primary lagoon. One Red-tailed Hawk and one Mourning Dove flew over the bermed area at 50-100 feet altitude. One American Robin and 1 Dark-eyed Junco were heard calling from the bermed area within 50 feet of the diked lagoon. Two herring gulls flew over the west perimeter fence at 50-100 feet altitude. Approximately 55 Dark-eyed Juncos and 5 Field Sparrows were seen perched in vegetation or on the ground while feeding in the northwest corner of the idle area.

No birds were observed on or within 5 feet of water surfaces of the primary, secondary, and diked lagoons, or the sludge ponds, clarifiers and grit pits during the third morning survey on 18 December, 2013. No birds attempted to land on or within 5 feet of water surfaces of the SRWWTP. No birds were observed inside the netting or goose-lines surrounding the lagoons. Several sets of weasel (species undetermined) cottontail rabbit tracks were seen in fresh snow along the perimeter road west of the bermed area. No other observations, tracks, or signs of other wildlife were recorded.

Table 1. Summary of bird species observations recorded during point count and walking surveys conducted during the first evening survey at the Schaefer Road Wastewater Treatment Plant on 17 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Canada Goose	<i>Branta canadensis</i>	11(0)		25(0)				45		81
Mallard	<i>Anas platyrhynchos</i>							1		1
Great Blue Heron	<i>Ardea herodias</i>							1		1
Mourning Dove	<i>Zenaidura macroura</i>							1		1
American Robin	<i>Turdus migratorius</i>					6(0)		4		10
Field Sparrow	<i>Spizella pusilla</i>					1(0)	5	2		8
Dark-eyed Junco	<i>Junco hyemalis</i>					12(0)		3		15
Total		11(0)	0(0)	25(0)	0(0)	19(0)	5	57	0	117

Table 2. Summary of bird species observations recorded during point count and walking surveys conducted during the second evening survey at the Schaefer Road Wastewater Treatment Plant on 17 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Canada Goose	<i>Branta canadensis</i>						13			13
Mallard	<i>Anas platyrhynchos</i>							1		1
Great Blue Heron	<i>Ardea herodias</i>							1		1
Mourning Dove	<i>Zenaida macroura</i>				1(0)					1
European Starling	<i>Sturnus vulgaris</i>						60			60
Field Sparrow	<i>Spizella puzilla</i>						2			2
Total		0(0)	0(0)	0(0)	1(0)	0(0)	75	2	0	78

Table 3. Summary of bird species observations recorded during point count and walking surveys conducted during the first morning survey at the Schaefer Road Wastewater Treatment Plant on 18 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Mallard	<i>Anas platyrhynchos</i>							3		3
Great Blue Heron	<i>Ardea herodias</i>							1		1
Total		0(0)	0(0)	0(0)	0(0)	0(0)	0	4	0	4

Table 4. Summary of bird species observations recorded during point count and walking surveys conducted during the second morning survey at the Schaefer Road Wastewater Treatment Plant on 18 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Canada Goose	<i>Branta canadensis</i>			27(0)	99(0)			153		279
Mallard	<i>Anas platyrhynchos</i>							3		3
Great Blue Heron	<i>Ardea herodias</i>							1		1
Ring-billed Gull	<i>Larus delawarensis</i>	10(0)		3(0)				7		20
Rock Pigeon	<i>Columba livia</i>				3(0)					3
American Robin	<i>Turdus migratorius</i>			3(0)	10(0)			1		14
European Starling	<i>Sturnus vulgaris</i>			3(0)						3
Dark-eyed Junco	<i>Junco hyemalis</i>								3	3
Field Sparrow	<i>Spizella puzilla</i>								3	3
Black-capped Chickadee	<i>Poecilia atricapillus</i>								3	3
Total		10(0)	0(0)	36(0)	112(0)	0(0)	0	165	9	332

Table 5. Summary of bird species observations recorded during point count and walking surveys conducted during the third morning survey at the Schaefer Road Wastewater Treatment Plant on 18 December, 2013. Numbers in parentheses indicate numbers of birds observed perched within the fencing, netting, or goose-lines of the sludge ponds, clarifiers, and lagoons. See text for more details.

Common Name	Scientific Name	Sludge Ponds	Clarifiers	Prim. Lagoon	Second. Lagoon	Diked Lagoon	Bermed Area	Perim. Fence	Idle Area	Total
Herring Gull	<i>Larus argentatus</i>							2		2
Red-tailed Hawk	<i>Buteo jamaicensis</i>						1			1
Mourning Dove	<i>Zenaida macroura</i>						1			1
American Robin	<i>Turdus migratorius</i>						1	1		2
Dark-eyed Junco	<i>Junco hyemalis</i>						1			1
Total		0(0)	0(0)	0(0)	0(0)	0(0)	4	3	0	7

II. CONDITION, OPERATION, AND FUNCTIONALITY OF WILDLIFE DETERRENT AND OIL CONTACT PREVENTION MEASURES

Procedure:

Inspections of the wildlife deterrent measures were completed once each morning and evening during successive wildlife surveys rounds (see objectives 1 and 2). The location, number, condition and functionality of the wildlife deterrent and oil contact prevention measures were evaluated and recorded. Inspections of wildlife deterrent and oil prevention measures recorded during daily inspections conducted by Severstal Dearborn personnel were summarized for comparison with observations recorded during the monthly survey.

Inspection Results:

Primary Lagoon

Two scare-eye balloons were deployed and inflated along the fence-line surrounding the primary lagoon during 17-18 December, 2013. Some old, deflated or damaged balloons were also present; these were not counted in the number of inflated balloons reported here. One propane cannon was deployed on the primary lagoon but fired at an atypically slow rate under the cold air temperatures (24-27° F) during the morning and evening surveys. One wind dancer was deployed and was operating normally. The propane cannon and wind dancer were still operating when the third evening survey round was completed by 7:05 pm on 17 December, 2013. The wind dancer and propane cannon were not operating at the beginning of the first morning survey on 18 December, 2013. The SRWWTP operator re-started the wind dancer and propane cannon by 8:15 am on 18 December, 2013. The fence-line was sparsely flagged with mylar tape. High winds appeared to have stripped much of the mylar ribbon on the goose-lines and fencing around the primary lagoon. The netting surrounding the outflow was fully functional, anchored tight to the ground. There was a small (1 ft²) hole in the netting in the northwest corner of the lagoon near the oil skimmer, just inside the chain-link fence. There were no other obvious holes or gaps that would allow entry by anything but small-sized species of wildlife. The chain-link fencing around the primary lagoon was in excellent condition with no gaps or holes.

Two horizontal rope oil skimmers were deployed at the primary lagoon, one near the outflow at the north end and the other near inflow at the south end. The oil skimmers did not operate during the morning and evening surveys on 17-18 December, 2013. The rope skimmer at the outflow of the primary lagoon was broken and not operating. A fabric boom oil boom was deployed in the northeast corner of the primary lagoon.

Dispersed patches of oil sheen were evident over much of the primary lagoon on 17-18 December, 2013. One patch (4 x 10 feet) of oil accumulated in eddies outside the metal boom near the southwest corner of the primary lagoon during 17-18 December, 2013. There was a large patch (20 X 40 feet) at the wheel end of the rope skimmer under

the netting at the northeast corner of the primary lagoon on 17 December, 2013. This patch was smaller (3 X 6) feet on 18 December. A 10 X 15 patch of oil also was present at the intake end of the rope skimmer under the netting in the northwest corner of the primary lagoon.

Senescent emergent vegetation was present inside the netting at the outflow of the primary lagoon. These included a 4 x 15 feet patch of cattail (*Typha* spp.) and a 5 x 30 feet patch of common reed (*Phragmites australis*). A few small (2 X 3 feet) scattered patches of common reed (2 x 10 feet) and dead stems of annual grasses and forbs were present along the west shoreline of the primary lagoon.

Secondary Lagoon

Four scare-eye balloons were inflated and deployed on the goose-line surrounding the secondary lagoon during 17-18 December, 2013. Some old, deflated or damaged balloons were also present; these were not counted in the number of inflated balloons reported here. One propane cannon and one wind dancer were deployed on the secondary lagoon and both operated normally. The propane cannon was still operating when the second survey round was completed by 7:05 pm on 17 December 2013. The wind dancer and propane cannon were not operating at the beginning of the first morning survey on 18 December, 2013. The SRWWTP operator re-started the wind dancer and propane cannon by 8:15 am on 18 December, 2013. The goose-lines surrounding the secondary lagoon were intact with no gaps. Chain link fencing was partially installed around the secondary lagoon and when complete will provide a more effective barrier to wildlife. High winds appeared to have stripped much of the mylar ribbon on the goose-lines surrounding the secondary lagoon.

Two horizontal rope oil skimmers were deployed at the north and south ends of the secondary lagoon. One vertical belt oil skimmer also was deployed near the south end at the bend of the secondary lagoon. The horizontal rope and vertical belt oil skimmers did not operate on 17-18 December, 2013.

There were dispersed patches of light oil sheen across the surface of the secondary lagoon on 17-18 December, 2013. There were patches (5 X 10 feet) of oil along the east shoreline of the secondary lagoon where oil booms intersected the windward shoreline. An 8 X 16 foot patch of oil was present on the intake end of the south rope skimmer on 18 December, 2013. Smaller (3 x 3 feet) patches of oil accumulated near the belt skimmer and the intake and wheel ends of the oil rope skimmers. The secondary lagoon was largely devoid of vegetation except for scattered patches of dead vegetation.

Diked Lagoon

One scare-eye balloon was inflated and deployed on the goose-line surrounding the diked lagoon during 17-18 December, 2013. Some old, deflated or damaged balloons were also present. One propane cannon was deployed on the diked lagoon but fired sporadically under the cold air temperatures (24-27° F) during the morning and evening surveys. The propane cannon was still operating when the second survey round was completed by 7:05 pm on 17 December, 2013. The propane cannon was not operating at the beginning of the first morning survey on 18 December, 2013. The SRWWTP operator re-started the propane cannon by 8:15 am on 18 December, 2013. Gaps in the goose-line fence that were noted during the October monthly inspection were replaced with plastic caution tape or heavy string. The goose-line was sparsely flagged with mylar tape.

No oil skimmers were deployed on the diked lagoon. The diked lagoon was 100% ice-covered so there were no patches of oil or oil sheen on the diked lagoon during 17-18 December, 2013. The diked lagoon was almost entirely devoid of shoreline vegetation.

Perimeter Fence

High winds appeared to have stripped some of the mylar ribbon deployed on the west perimeter fence. The fence appeared intact and functional, although drifting snow obscured the bottom 1-2 feet of the fence. The SRWWTP operators reported that the large opening at the bottom of the fence west of the bermed area (see November 2013 inspection report) had been repaired.

Sludge Ponds, Clarifiers, and Grit Pits

Netting was deployed over the east and west sludge ponds. The sludge pond netting was anchored tight to the ground. There was only one small (1 ft²) hole in the netting on the south end of the east sludge pond. Otherwise, there were no holes or gaps that would allow entry by anything but small-sized birds, mammals or reptiles. The netting was mostly held well above the surface of the east sludge pond. There were two places where the netting sagged into the water surface of the west sludge pond, as noted in the November monthly inspection report. The netting around where an aerator is inserted on the north end of the east sludge pond had accumulated enough ice to cause the netting to sag to within a few inches of the water surface.

No other wildlife deterrent measures were deployed at the sludge ponds, clarifiers, or grit pits. Rotating oil skimmers effectively removed surface oil from the clarifiers. No oil skimmers were deployed at the sludge ponds or grit pits. No vegetation was present around the clarifiers or grit pits. The sludge ponds were largely devoid of live vegetation except for a few common reed stems around the margins. Dead emergent vegetation (cattails and common reed) covered <10% of the west sludge pond and < 5% of the east sludge pond.

SRWWTP Operator

Effective deterrent activities by the SRWWTP operator were observed during 17-18 December, 2013. The SRWWTP operator regularly patrolled the lagoons, sludge ponds clarifiers, grit pits, and surrounding area. Birds were effectively hazed from the site and the operator was clearly knowledgeable and conscientious about deterring wildlife from using the SRWWTP.

III. REVIEW OF DAILY WILDLIFE OBSERVATIONS, DETERRENT INSPECTIONS, AND OIL REMOVAL MEASURES

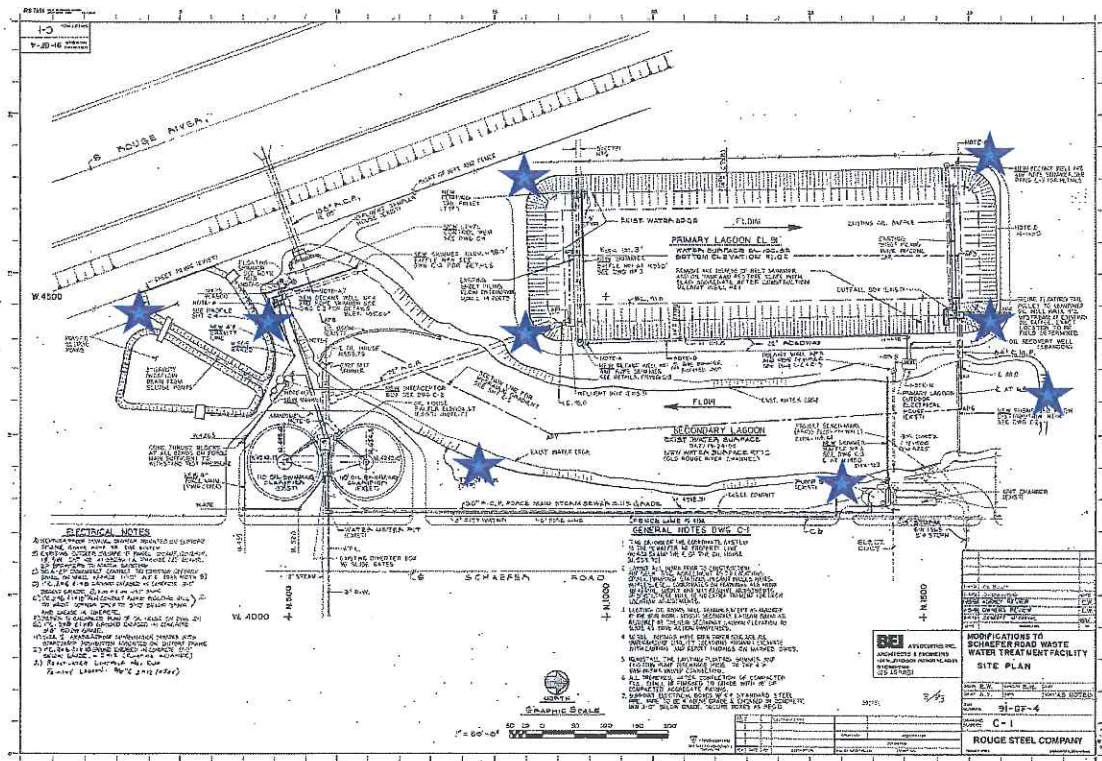
This section reports inspections daily wildlife activity, wildlife deterrents inspections, and oil management records kept by the SRWWTP operators during 1-18 December, 2013. On-going risks or exposure of wildlife to oiled surfaces are evaluated based on observations recorded during the monthly evening and morning surveys.

Results:

Wildlife deterrents and oil removal measures were inspected twice per day (35 total inspections) by SRWWTP operators between 9:00 am and 1:00 pm each day during 1-18 December 2013. The oil management records were all in order with no missing records and were mostly nothing consistent with the December monthly inspections (this report). However, the operators did not detect or record the sagging netting in the east and west sludge ponds or the small holes in the netting at the north end of the primary lagoon and the south end of the east sludge pond.

The daily wildlife activity inspections were mostly consistent with the December monthly inspection (this report). The daily wildlife activity inspections included observations of Common Loon and Northern Harrier. The identifications of these species are questionable but not impossibly correct. Northern Harriers are likely confused with other species of raptors, most likely Sharp-shinned or Cooper's Hawks. Common loon may have been confused with another species of large water bird such as Double-crested Cormorant or a large species of Grebe.

Figure 1. Map diagram of the Schaefer Road Wastewater Treatment Plant and surrounding areas where wildlife were surveyed during 17-18 December, 2013. Blue stars indicated survey stops where 5-15 minute point counts and observations of wildlife activity were conducted.



APPENDIX B

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

December 1 to December 31, 2013

SUMMARY OF WILDLIFE ACTIVITY LOG

Inspections	Bird Observations	Interest Shown	Adjacent	Flying Over	Elsewhere	Interest Shown Location	Number of Horn Blasts	Exposed?	Carcass?	Result
109	135	0	1	74	60	NA	131	No	No	Flew or ran away on their own and after horn blasts.

*During dawn to dusk inspections

Interest Shown: In or On the Ponds

Adjacent: to within 5 feet of water edge or surface

Elsewhere: On the ground or structure, or in tree >5 from water

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Vegetation (>6 inches high)	Cannon Operating	Scary Balloons (>8 inflated)	Netting Holes or Gaps	Mylar Bibbons Implaced	Air Dancer Operating?
None	No	Yes. Except on 12/21 due to cold and rainy weather	Yes	No	Yes	Yes. Except few raining or windy days

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil		If Recoverable Oil Not	Oil Management		
Primary Lagoon	Secondary Lagoon	Specific Location	Oil equipment off Ground	If Not. Response Action	Comments
0	0	NA	Yes	NA	Oil not captured by skimmers is removed frequently by vacuum truck.

SRWWTP - WILDLIFE ACTIVITY LOG

Date 2013	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
12/1	8:00 AM	CANADA GOOSE	25	SL (S) P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/1	8:03 AM	AMERICAN ROBIN	4	(SL) S P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/1	1:20 PM	MOURNING DOVE	9	(SL) S P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12-2	8:00 AM	ROBIN	2	(SL) S P D B	I A O (E)	2	FLEW AWAY	N	N	RE
12-2	9:00 AM	MOCKING DOVE	1	SL S P (D) B	I A O (E)	1	FLEW AWAY	N	N	RE
12-2	1:00 PM	SPARROW	17	SL S P (D) B	I A O (E)	4	FLEW AWAY	N	N	RE
12-2	6:00 PM	RABBIT	1	SL S P (D) B	I A O (E)	1	RAN AWAY	N	N	RE
12-3	8:00 AM	ROBIN	2	(SL) S P D B	I A O (E)	2	FLEW AWAY	N	N	RE
12-3	4:30 AM	SPARROWS	5	(SL) S P D B	I A O (E)	2	FLEW AWAY	N	N	RE
12-3	12:30 PM	GREAT BLUE HERON	1	SL (S) P D B	I A O (E)	1	FLEW AWAY	N	N	RE
12-3	1:30 PM	GREAT BLUE HERON	1	SL (S) P D B	I A O (E)	1	FLEW AWAY	N	N	RE
12-3	6:30 PM	MOURNING DOVE	2	SL S P D (B)	I A O (E)	2	FLEW AWAY	N	N	RE
12-4	8:00 AM	MOURNING DOVE	2	SL S P D (B)	I A O (E)	2	FLEW AWAY	N	N	RE
12-4	9:00 AM	MOURNING DOVE	2	SL S P D (B)	I A O (E)	2	FLEW AWAY	N	N	RE
12-4	1:00 PM	SEA GULL	1	(SL) S P D B	I A O (E)	1	FLEW AWAY	N	N	RE
12-4	6:15 AM	PIGEON	2	SL S P D (B)	I A O (E)	2	FLEW AWAY	N	N	RE
12-5	8:00 AM	SEA GULL	1	(SL) S P D B	I A O (E)	1	FLEW AWAY	N	N	RE
12-5	9:00 AM	ROBIN	2	SL S (P) D B	I A O (E)	0	FLEW AWAY	N	N	RE
12-5	1:00 PM	HAWK	1	SL S P D (B)	I A O (E)	3	FLEW AWAY	N	N	RE
12-5	5:30 PM	RABBIT	2	(SL) S P D B	I A O (E)	1	RAN AWAY	N	N	RE
12/6	8:05 AM	MOURNING DOVE		SL S P (D) B	I A O (E)	1	FLEW AWAY	N	N	RE
12/6	9:28 AM	GREAT BLUE HERON	1	SL S P D (B)	I A O (E)	2	FLEW AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
12/7	7:25 AM	CANADA GOOSE	9	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/7	8:18 AM	CANADA GOOSE	25	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/7	5:21 PM	CANADA GOOSE	8	(SL) S P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/7	5:26 PM	CANADA GOOSE	41	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/8	8:21 AM	MOORING DOVE	14	(SL) S P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/8	11:16 AM	RING BILLED GULL	2	SL (S) P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/8	5:09 PM	CANADA GOOSE	23	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/8	5:11 PM	CANADA GOOSE	38	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12-9	9:00 AM	CANADIAN GEESE	20	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12-9	1:00 PM	COMMON GRACKLE	10	SL S P D (B)	I A O (E)	4	FLEW AWAY	N	N	RE
12-9	6:00 PM	Rabbit	1	SL S P D (B)	I A O (E)	2	RAN AWAY	N	N	RE
12-10	8:00 AM	CANADIAN GEESE	20	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12-10	1:00 PM	GREAT BLUE HERON	1	(SL) S P D B	I A (O) E	2	FLEW AWAY	N	N	RE
12-10	1:00 PM	HAWK	1	SL S P D (B)	I A O (E)	4	FLEW AWAY	N	N	RE
12-10	5:30 PM	CANADIAN GEESE	4	SL S P (D) B	I A (O) E	2	FLEW AWAY	N	N	RE
12-10	5:30 PM	COMMON GRACKLE	3	SL S P D (B)	I A O (E)	2	FLEW AWAY	N	N	RE
12-11	8:00 AM	SPARROW	1	(SL) S P D B	I A (O) E	1	FLEW AWAY	N	N	RE
12-11	9:00 AM	HAWK	1	SL S P D (B)	I A O (E)	1	FLEW AWAY	N	N	RE
12-11	1:00 PM	GREAT BLUE HERON	2	SL (S) P D B	I A (O) E	4	FLEW AWAY	N	N	RE
12-11	5:50 PM	ROBIN	1	SL S P (D) B	I A O (E)	1	FLEW AWAY	N	N	RE
12-12	8:00 AM	CANADIAN GEESE	20	SL S P (D) B	I A (O) E	0	FLEW AWAY	N	N	RE
12-12	9:00 AM	MOORING DOVE	1	SL (S) P D B	I A O (E)	1	FLEW AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
12-12	1:00 PM	COMMON GRACKLE	1	SL S P (D) B	I A O (E)	1	FEW AWAY	N	N	RE
12-12	4:00 PM	CANADIAN GEESE	12	SL S P (D) B	I A (O) E	0	FEW AWAY	N	N	RE
12-12	6:30 PM	Robin	1	SL S P (D) B	I A O (E)	0	FEW AWAY	N	N	RE
12-13	8:00 AM	CANADIAN GEESE	20	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
12-13	9:00 AM	Robins	3	SL S P (D) B	I A O (E)	3	FEW AWAY	N	N	RE
12-13	1:00 PM	CANADA GOOSE	1	SL S (P) D B	I A (O) E	2	FEW AWAY	N	N	RE
12-13	2:00 PM	Robins	4	(S) L S P D B	I A O (E)	2	FEW AWAY	N	N	RE
12-13	5:00 PM	GREAT BLUE HERON	1	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
12/14	8:33 AM	COMMON LOON	2	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
12/14	10:01 AM	MOURNING DOVE	1	(S) L S P D B	I A O (E)	1	FEW AWAY	N	N	RE
12/14	5:07 PM	MOURNING DOVE	1	SL S (P) D B	I A O (E)	1	FEW AWAY	N	N	RE
12/15	7:58 AM	MOURNING DOVE	3	SL S (P) D B	I A O (E)	0	FEW AWAY	N	N	RE
12/15	8:31 AM	CANADA GOOSE	49	(S) L S P D B	I A (O) E	0	FEW AWAY	N	N	RE
12/15	8:48 AM	CANADA GOOSE	32	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
12/15	8:59 AM	CANADA GOOSE	4	(S) L S P D B	I A (O) E	0	FEW AWAY	N	N	RE
12/15	5:01 PM	NORTHERN HARRIER	2	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
12/15	5:22 PM	MOURNING DOVE	1	SL S (P) D B	I A O (E)	1	FEW AWAY	N	N	RE
12/16	7:56 AM	MOURNING DOVE	21	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
12/16	10:02 AM	CANADA GOOSE	22	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
12/16	10:20 AM	CANADA GOOSE	46	SL (S) P D B	I A (O) E	0	FEW AWAY	N	N	RE
12/16	5:02 PM	COMMON GRACKLE	14	SL S (P) D B	I A (O) E	0	FEW AWAY	N	N	RE
12/16	5:07 PM	COMMON GRACKLE	1	SL S (P) D B	I A O (E)	1	FEW AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
12/17	8:41 AM	CANADA GOOSE	24	SL S P (D) B	I A (O) E	0	FLEW AWAY	N	N	RE
12/17	9:22 AM	MOORING DOVE	7	SL (S) P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/17	9:25 AM	CANADA GOOSE	2	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12-18	8:00 AM	CANADIAN GEESE	44	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12-18	9:00 AM	CANADA GOOSE	6	(SL) S P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12-18	5:30 PM	CANADA GOOSE	12	(SL) S P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12-19	8:00 AM	CANADA GOOSE	100 ⁵	SL (S) P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12-19	9:00 AM	MOORING DOVE	2	(SL) S P D B	I A O (E)	2	FLEW AWAY	N	N	RE
12-19	1:00 PM	COMMON GRACKLE	8	SL S P D (B)	I A O (E)	2	FLEW AWAY	N	N	RE
12-19	5:30 PM	CANADA GOOSE	22	SL S P D (B)	I A O (E)	0	FLEW AWAY	N	N	RE
12-20	8:00 AM	Rabbit	1	(SL) S P D B	I A O (E)	0	RAN AWAY	N	N	RE
12-20	11:00 AM	GREAT BLUE HERON	1	SL (S) P D B	I A (O) E	10	FLEW AWAY	N	N	RE
12-20	1:00 PM	COMMON GRACKLE	3	SL S P (D) B	I A O (E)	2	FLEW AWAY	N	N	RE
12-20	6:00 PM	Rabbit	1	SL (S) P D B	I A O (E)	0	RAN AWAY	N	N	RE
12-21	8:00 AM	Robin	1	(SL) S P D B	I A O (E)	1	FLEW AWAY	N	N	RE
12-21	11:00 AM	BLACK BIRD	1	SL S P D (B)	I A O (E)	1	FLEW AWAY	N	N	RE
12-21	6:30 PM	Rabbit	1	(SL) S P D B	I A O (E)	0	RAN AWAY	N	N	RE
12/22	7:48 AM	CANADA GOOSE	43	SL (S) P D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/22	8:16 AM	RING BILLED GULL	1	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/22	12:15 PM	RING BILLED GULL	3	SL S (P) D B	I A (O) E	0	FLEW AWAY	N	N	RE
12/22	1:18 PM	RING BILLED GULL	1	(SL) S P D B	I A (O) E	1	FLEW AWAY	N	N	RE
12/23	7:53 AM	MOORING DOVE	2	(SL) S P D B	I A (O) E	0	FLEW AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
12/23	8:03 AM	CANADA GOOSE	18	SL S P (D) B	I A (O) E	0	FIW AWAY	N	N	RE
12/23	8:05 AM	CANADA GOOSE	2	SL S P (D) B	I A (O) E	0	FIW AWAY	N	N	RE
12/23	8:13 AM	ROCK DOVE	5	SL S (P) D B	I A (O) E	0	FIW AWAY	N	N	RE
12/23	12:55 PM	MOURNING DOVE	8	SL S P (D) B	I A (O) E	0	FIW AWAY	N	N	RE
12/23	5:16 PM	MOURNING DOVE	4	SL (S) P D B	I A O (E)	2	FIW AWAY	N	N	RE
12/24	7:53 AM	RING BILLED GULL	4	SL (S) P D B	I A (O) E	0	FIW AWAY	N	N	RE
12/24	8:01 AM	COMMON GRACKLE	8	SL S (P) D B	I A (O) E	0	FIW AWAY	N	N	RE
12/24	8:06 AM	CANADA GOOSE	5	SL S (P) D B	I A (O) E	0	FIW AWAY	N	N	RE
12/24	8:30 AM	GREAT BLUE HERON	1	SL S P D (B)	I A O (E)	2	FIW AWAY	N	N	RE
12/24	9:24 AM	GREAT BLUE HERON	1	SL S P D (B)	I A O (E)	0	FIW AWAY	N	N	RE
12/24	5:05 PM	CANADA GOOSE	2	SL S (P) D B	I A (O) E	0	FIW AWAY	N	N	RE
12/24	5:17 PM	CANADA GOOSE	13	SL S (P) D B	I A (O) E	0	FIW AWAY	N	N	RE
12/25	7:33 AM	RABBIT	1	SL (S) P D B	I A O (E)	1	RAW AWAY	N	N	RE
12/25	8:17 AM	MOURNING DOVE	9	SL S (P) D B	I A O (E)	1	FIW AWAY	N	N	RE
12/25	9:16 AM	RING BILLED GULL	1	SL S P (D) B	I A (O) E	0	FIW AWAY	N	N	RE
12/25	9:18 AM	COMMON GRACKLE	14	SL S P D (B)	I A (O) E	0	FIW AWAY	N	N	RE
12/25	9:27 AM	RING BILLED GULL	1	SL (S) P D B	I A (O) E	0	FIW AWAY	N	N	RE
12/25	12:58 PM	NORTHERN HARRIER	1	(SL) S P D B	I A (O) E	0	FIW AWAY	N	N	RE
12/25	3:10 PM	CANADA GOOSE	13	SL (S) P D B	I A (O) E	0	FIW AWAY	N	N	RE
12/25	5:16 PM	CANADA GOOSE	9	(SL) S P D B	I A (O) E	0	FIW AWAY	N	N	RE
12/25	5:20 PM	MOURNING DOVE	2	SL S (P) D B	I A O (E)	2	FIW AWAY	N	N	RE
12/26	8:00 AM	SEA GULL	2	(SL) S P D B	I A O (E)	2	FIW AWAY	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP - WILDLIFE ACTIVITY LOG

Date	Time	Wildlife Type, Species Name, or Description	#	Location (Circle any ¹)	Activity (Circle any ²)	Number of Horn Blasts	Result	Exposed ³ (i.e., Oiled) ?	Carcass ⁴ ?	Inspector (Initials)
12-26	9:00 AM	SEA Gulls	3	SL S P D B	I A O E	2	Flew Away	N	N	JT
12-26	12:01 PM	CANADA GOOSE	14	SL S P D B	I A O E	2	Flew Away	N	N	JT
12-26	6:00 PM	Rabbit	1	SL S P D B	I A O E	0	Ran Away	N	N	JT
12-27	8:00 AM	CANADA GOOSE	100+	SL S P D B	I A O E	0	Flew Away	N	N	JT
12-27	9:00 AM	GREAT BLUE HERON	1	SL S P D B	I A O E	4	Flew Away	N	N	JT
12-27	1:00 PM	GA CANADA GOOSE	5	SL S P D B	I A O E	0	Flew Away	N	N	JT
12-27	3:00 PM	COMMON GRACKLE	6	SL S P D B	I A O E	2	Flew Away	N	N	JT
12-27	6:00 PM	Rabbit	1	SL S P D B	I A O E	1	Ran Away	N	N	JT
12-28	8:00 AM	CANADA GOOSE	100+	SL S P D B	I A O E	0	Flew Away	N	N	JT
12-28	9:00 AM	COMMON GRACKLE	6	SL S P D B	I A O E	2	Flew Away	N	N	JT
12-28	1:00 PM	COMMON GRACKLE	60	SL S P D B	I A O E	7	Flew Away	N	N	JT
12-28	6:30 PM	RABBIT	3	SL S P D B	I A O E	3	Ran Away	N	N	JT
12-29	8:00 AM	CANADA GOOSE	40	SL S P D B	I A O E	0	Flew Away	N	N	JT
12-29	9:00 AM	SEA Gulls	1	SL S P D B	I A O E	2	Flew Away	N	N	JT
12-29	4:00 PM	COMMON GRACKLES	10	SL S P D B	I A O E	8	Flew Away	N	N	JT
12-29	6:30 PM	Rabbit	1	SL S P D B	I A O E	1	Ran Away	N	N	JT
12/30	7:55 AM	CANADA GOOSE X	24	SL S P D B	I A O E	0	Flew Away	N	N	RE
12/30	8:10 AM	CANADA GOOSE X	10	SL S P D B	I A O E	0	Flew Away	N	N	RE
12/30	8:25 AM	CANADA GOOSE X	31	SL S P D B	I A O E	0	Flew Away	N	N	RE
12/30	3:16 PM	CANADA GOOSE X	4	SL S P D B	I A O E	0	Flew Away	N	N	RE
12/30	3:20 PM	CANADA GOOSE X	22	SL S P D B	I A O E	0	Flew Away	N	N	RE
12/31	8:39 AM	CANADA GOOSE X	21	SL S P D B	I A O E	0	Flew Away	N	N	RE

¹ SL = Sludge ponds; S = Secondary lagoon; P = Primary lagoon; D = Diked lagoon; B = Bermed area

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E = Elsewhere (on ground or structure, or in tree >5 feet from water).

³ Live or dead. If live exposed wildlife is observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

[illegible]

² With respect to impoundment(s): I = In or on; A = Adjacent to (i.e., within 5 feet of water edge or surface); O = Flying over; E: Elsewhere (on ground or structure, or in tree >5 feet from water).

⁴ If wildlife carcass or remains is found, leave undisturbed, and immediately notify Environmental Engineering and wildlife specialist.

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
2013																		
12/1	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
12/02	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
12/03	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
12/04	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
12/05	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
12/6	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
12/7	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
12/8	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
2013 12/09	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	JH
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/10	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	JH
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/11	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	JH
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/12	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	JH
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/13	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	JH
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/14	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RL
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/15	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RL
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/16	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RL
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
12/17	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
12/18	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
12/19	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
12/20	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	N	ST
12/21	9:00 AM	Y	N	Y	N	N	N	N	Y	Y	Y	Y	NA	NA	NA	NA	N	ST
	1:00 PM	Y	N	Y	N	N	N	N	Y	Y	Y	Y	NA	NA	NA	NA	N	ST
12/22	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
12/23	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
12/24	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

RAIN
RAIN
RAIN WET

SRWWTP DAILY WILDLIFE DETERRENTS INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems															Inspector (Initials)	
Date	Time	Fencing in Good Condition?		Vegetation Okay (< 6 inches high; no cuttings)?		Cannon Operating? (Y/N)			At Least Eight (8) Balloons Inflated?	Netting Free of Holes or Gaps? ¹			Mylar Ribbons Okay? (April, May, Aug & Sept Only) (Y/N)					At Least One (1) Air Dancer Operating?
		Y/N	Location (if N)	Y/N	Location (if N)	P	S	D	Y/N	EL	WL	P	P	S	D	W PF ²		Y/N
12/25	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	11:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/26	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/27	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/28	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/29	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	ST
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/30	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	
12/31	9:00 AM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	RE
	1:00 PM	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	NA	NA	NA	NA	Y	

¹ EL = East Sludge Pond; WL = West Sludge Pond; P = Primary Lagoon

² W PF = West Perimeter Fence

NOTE: N (No) entry requires notification of Plant Supervisor and initiation of corrective action as soon as possible.

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
12/1	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
12/02	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
12/03	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
12/04	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
12/05	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
12/6	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
12/7	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
12/8	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	
12/9	9:00 AM	Y	Y	NA	NA	N	Y	N	RE
	1:00 PM	Y	Y	NA	NA	N	Y	N	

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
12/10	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
12/10	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
12/11	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
12/11	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
12/12	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
12/12	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
12/13	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
12/13	1:00 PM	Y	Y	NA	NA	N	Y	N	ST
12/14	9:00 AM	Y	Y	NA	NA	N	Y	N	RO
12/14	1:00 PM	Y	Y	NA	NA	N	Y	N	RO
12/15	9:00 AM	Y	Y	NA	NA	N	Y	N	RO
12/15	1:00 PM	Y	Y	NA	NA	N	Y	N	RO
12/16	9:00 AM	Y	Y	NA	NA	N	Y	N	RO
12/16	1:00 PM	Y	Y	NA	NA	N	Y	N	RO
12/17	9:00 AM	Y	Y	NA	NA	N	Y	N	RO
12/17	1:00 PM	Y	Y	NA	NA	N	Y	N	RO
12/18	9:00 AM	Y	Y	NA	NA	N	Y	N	ST
12/18	1:00 PM	Y	Y	NA	NA	N	Y	N	ST

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		All recoverable oil in reach of operating skimmer? (Y or N or NA ¹)				If recoverable oil is not within reach of an operating skimmer . . .	Is oil removal equipment off ground?	If N in previous column, Location & Response Action Taken (Otherwise enter "N")	Inspector (Initials)
Date	Time	Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Specific Location & Response Action To Be Taken ² (Otherwise enter "N")			
12/19	9:00 AM	Y	Y	NA	NA	N	Y	N	JA
	1:00 PM	Y	Y	NA	NA	N	Y	N	JA
12/20	9:00 AM	Y	Y	NA	NA	N	Y	N	JA
	1:00 PM	Y	Y	NA	NA	N	Y	N	JA
12/21	9:00 AM	Y	Y	NA	NA	N	Y	N	JA
	1:00 PM	Y	Y	NA	NA	N	Y	N	JA
12/22	9:00 AM	Y	Y	NA	NA	N	Y	N	RR
	1:00 PM	Y	Y	NA	NA	N	Y	N	RR
12/23	9:00 AM	Y	Y	NA	NA	N	Y	N	RR
	1:00 PM	Y	Y	NA	NA	N	Y	N	RR
12/24	9:00 AM	Y	Y	NA	NA	N	Y	N	RR
	1:00 PM	Y	Y	NA	NA	N	Y	N	RR
12/25	9:00 AM	Y	Y	NA	NA	N	Y	N	RR
	1:00 PM	Y	Y	NA	NA	N	Y	N	RR
12/26	9:00 AM	Y	Y	NA	NA	N	Y	N	JA
	1:00 PM	Y	Y	NA	NA	N	Y	N	JA
12/27	9:00 AM	Y	Y	NA	NA	N	Y	N	JA
	1:00 PM	Y	Y	NA	NA	N	Y	N	JA

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

[illegible]

¹ If no recoverable oil is present, enter Not Applicable (NA).

² Example: "NE corner of D (or Diked Lagoon); phoned Inland- be here 6-5, 8 am." or "Boom placed 9-12, 3 pm." Use Location Codes: P = Primary Lagoon; S = Secondary Lagoon; D = Diked Lagoon; EL = East Sludge Pond; WL = West Sludge Pond. If no response action is necessary, enter No (N).